



University of Hawaii at Manoa

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November 9, 1984

RP:0047

U.S. Army Corps of Engineers
Building 230
Fort Shafter, Hawaii 96858

Dear Sir:

Corps of Engineers Permit
Kaieie Stream
(Construction of Hydropower Facility)
Papaikou, Hawaii

We are in receipt of the above cited public notice regarding the proposed construction of a hydropower facility on Kaieie Stream at Papaikou, Hawaii. We have been assisted in this review by: James Parrish, Hawaii Cooperative Fisheries Research Unit; Jacquelin Miller and Julianne Mansur, Environmental Center. Our reviewers have expressed concern that the information provided in the document was not sufficient to adequately evaluate the potential impacts that could result from the proposed construction. They have called attention to the following issues which should be addressed in an expanded environmental assessment prior to issuance of any construction permit:

1. Are there diadromous or other types of stream fauna that will be affected? If so, what provision will be made to provide the necessary passage both up and down the stream?
2. What are the expected maximum water temperatures that will result from the diversion and how will these compare with the ambient temperatures?
3. What discharges, if any, will result from the proposed project?
4. If adverse impacts are significant then comprehensive documentation of the rationale used to justify the relatively small power benefit should be provided.

We suggest that these questions be addressed prior to issuing the permit.

We appreciate your consideration of our concerns.

Yours truly,

Doak C. Cox
Director

cc: OEQC
James Parrish
Jacquelin Miller
Julianne Mansur